

Notice of Allowability

Application No.

09/987,097

Examiner

Hong Cho

Applicant(s)

LIM, BYUNG KEUN

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 10/25/2006.
2. ☒ The allowed claim(s) is/are 1, 3-8, 14-16, 18-22, 24, 25, 27 and 29 (renumbered 1-19).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David Oren on 11/10/2006.

The application has been amended as follows:

Claim 1, line 11, "the original PDSN receives a location renewal" has been changed to - - the original BSC/PCF receives the location renewal - - .

Claim 19, line 14, "after the source PDSN" has been changed to - - after the source BSC/PCF - - .

Claim 24, line 1, "method" has been changed to - - system - - .

Claim 25, line 18, "after the source PDSN" has been changed to - - after the source BSC/PCF - - .

Reasons for Allowance

2. Claims 1, 3-8, 14-16, 18-22, 24, 25, 27 and 29 are allowed.
3. The following is an examiner's statement of reasons for allowance:

Claims 1, 19 and 25 are allowable over the prior art of record since the cited reference taken individually or in combination fails to particularly disclose withholding the communication of a registration renewal message from the source PDSN to the source BSC/PCF, during a period beginning after the source BSC/PCF receives the location renewal message and ending when a communication link between a mobile station and the source PDSN is terminated.

Claims 14 and 20 are allowable over the prior art of record since the cited reference taken individually or in combination fails to particularly disclose communicating from the source BSC/PCF to the source PDSN a registration request message having a lifetime field value set to zero, after receiving the dormant handoff message, the source PDSN releases resources supporting the first communication link, in response to the registration request message, releasing the first communication link, in response to the registration response message, where the zero value in the lifetime field of the registration request message informs the source PDSN that the first communication link is ready for termination, the zero value in the lifetime field of the registration response message informs the source BSC/PCF that the first communication link is ready for termination, and both the source BSC/PCF and the source PDSN terminate the first communication link without waiting for a registration renewal timer period to expire.

Conclusion

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hong Cho whose telephone number is 571-272-3087.

The examiner can normally be reached on Mon-Fri during 7 am to 4 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema Rao can be reached on 571-272-3174. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

hc
Hong Cho
Patent Examiner
11/13/06

Seema S. Rao
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SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600